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PATENT APPLICATION

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of

Docket No: Q67368

Kenji TSUKADA, et al.

Appln. No.: 10/049,830

Group Art Unit: 2853

Confirmation No.: 6300

Examiner: Alfred E. Dudding

Filed: February 19, 2002

For: LIQUID CONTAINER, INK JET RECORDING APPARATUS, APPARATUS AND METHOD FOR CONTROLLING THE SAME, APPARATUS AND METHOD FOR DETECTING LIQUID CONSUMPTION STATE

INFORMATION DISCLOSURE STATEMENT
UNDER 37 C.F.R. §§ 1.97 and 1.98

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

In accordance with the duty of disclosure under 37 C.F.R. § 1.56, Applicants hereby notify the U.S. Patent and Trademark Office of the documents which are listed on the attached PTO/SB/08 A & B (modified) form and/or listed herein and which the Examiner may deem material to patentability of the claims of the above-identified application.

One copy of each of the listed documents is submitted herewith.

The present Information Disclosure Statement is being filed (without a Statement Under 37 C.F.R. § 1.97(e)) after the later of three months from the application's filing date and the mailing date of the first Office Action on the merits, but before a Final Office Action, Notice of Allowance, or an action that otherwise closes prosecution in the application (whichever is earlier), and therefore a check for the fee of \$180.00 under 37 C.F.R. § 1.17(p) is attached.

INFORMATION DISCLOSURE STATEMENT
U.S. Appln. No.: 10/049,830

Attorney Docket No.: Q67368

In compliance with the concise explanation requirement under 37 C.F.R. § 1.98(a)(3) for foreign language documents, Applicants submit English Abstracts for documents that do not already have a concise explanation attached.

The submission of the listed documents is not intended as an admission that any such document constitutes prior art against the claims of the present application. Applicants do not waive any right to take any action that would be appropriate to antedate or otherwise remove any listed document as a competent reference against the claims of the present application.

The USPTO is directed and authorized to charge all required fees, except for the Issue Fee and the Publication Fee, to Deposit Account No. 19-4880. Please also credit any overpayments to said Deposit Account. A duplicate copy of this paper is attached.

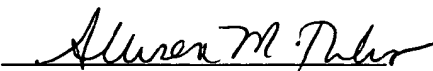
Respectfully submitted,

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WASHINGTON OFFICE

23373

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Allison M. Tulino
Registration No. 48,294

Date: August 26, 2004

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Complete if Known

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First Named Inventor	Kenji TSUKADA
Art Unit	2853
Examiner Name	Alfred E. Dudding
Attorney Docket Number	Q67368

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document
		Number	Kind Code ² (if known)		
		US 4,329,875		05/18/82	Nolting et al.
		US 4,703,652		11/03/87	Itoh et al.
		US 6,089,686		07/18/00	Thornton et al.
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		US 3,110,890		11/12/63	V.C. Westcott et al.
		US 5,410,518		4/25/1995	Birkett
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		US 6,302,527		10/16/2001	Walker
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		US 5,035,140		7/30/1991	Daniels et al.
		US 5,583,544		12/10/1996	Stamer et al.
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		US 4,636,814		1/13/1987	Terasawa
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FOREIGN PATENT DOCUMENTS

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		Country Code ³	Number ⁴	Kind Code ⁵ (if known)			
		JP	58-205820	✓	11/30/83		
		FR	2,572,519	✓	05/02/86		
		JP	60-4820		01/11/85		
		EP	0 684 136	✓ A2 & A3	11/29/95		

NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city, and/or country where published.	Translation ⁶
		Patent Abstracts of Japan, 11020186, 04/30/99, vol. 1999, no. 4 ✓	
		Patent Abstracts of Japan, 02034353, vol. 014, no. 186 ✓	
		Patent Abstracts of Japan, 07081290, vol. 1995, no. 06 ✓	

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		US 4,770,038		9/13/1988	Zuckerwar et al.
		US 5,353,631		10/11/1994	Woringer et al.
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		US 4,796,782		1/10/1989	Wales et al.
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		US 6,536,861		03/25/2003	Usui et al.
		US 6,003,966		12/21/1999	Ahn, Byung-Sun
		US 5,179,389		01/12/1993	Arai et al.

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Examiner Name	Alfred E. Dudding
Attorney Docket Number	Q67368

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Examiner Initials*	Cite No. ¹	Document Number		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document
		Number	Kind Code ² (if known)		
		US 4,570,482		02/18/1986	Murata et al.
		US 5,233,369		08/03/1993	Carlotta et al.
		US 6,361,136		03/26/02	Watanabe et al.
		US 6,536,861		03/25/03	Usui

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		Country Code ³	Number ⁴	Kind Code ⁵ (if known)			
		WO	98/31548		7/23/1998	Hewlett-Packard Company	
		JP	63247047		10/13/1988	Canon Inc.	
		GB	2 304 898		3/26/1997	The Whitaker Corporation	
		WO	98/09139		3/5/1998	The General Electric Company	
		EP	0 873 873		10/28/1998	Hewlett-Packard Company	
		JP	06297726		10/25/1994	Canon Inc.	
		JP	62-95225		5/1/1987	Canon Inc.	
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		EP	0 803 364		10/29/1997	Canon Inc.	
		EP	1 088 668		4/4/2001	Hewlett-Packard Company	
		JP	10026549		1/27/1998	Nohken	
		JP	07137276		5/30/1995	Canon Inc.	
		EP	0 853 236		7/15/1998	Smiths Industries Public Limited Co.	
		JP	04135862		5/11/1992	Seikosha Co. Ltd.	
		JP	10-305590		11/17/1998	Matsushita Electric Co., Ltd.	
		WO	99/42293		8/26/1999	Minnesota Mining & Manufacturing Co.	
		EP	0 660 092		6/28/1995	Canon Inc.	
		EP	0 553 535		8/4/1993	Seiko Epson Corporation	
		JP	2000318183	✓	11/21/2000	Sony Corporation	
		EP	0885731		12/23/98	Kanome	
		EP	0860284	✓	08/26/98		
		JP	10-323997	✓	12/08/98		

NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city, and/or country where published.	Translation ⁶
		US 2002/0105555, published 8/8/2002 to Tsukada et al.	
		US 2002/0015084, published 2/7/2002 to Tsukada et al.	
		US 2002/0012015, published 1/31/2002 to Tsukada et al.	

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		Number	Kind Code ² (if known)		
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		US 4,310,957		01/19/82	Sachs
		US 4,337,470		06/29/82	Furukawa
		US 4,570,482		02/18/86	Murata
		US 4,604,633		08/05/86	Kimura et al.
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		US 4,977,413		12/11/90	Yamanaka et al.
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FOREIGN PATENT DOCUMENTS							
Examiner Initials*	Cite No. ¹	Foreign Patent Document			Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Translation ⁶
		Country Code ³	Number ⁴	Kind Code ⁵ (if known)			
		CN	1274845	✓	11/29/00		
		JP	2000-43287	✓	02/15/00		
		JP	56-39413		04/15/81	Ota	
		JP	11-10909	✓	01/19/99		
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		JP	11-334107	/	12/07/99	Nakamura	
		JP	4-234670	/	08/24/92		

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		PATENT ABSTRACTS OF JAPAN, vol. 1995, no. 08, 29 September 1995 & JP 07 137276 A (Canon Inc.) 30 May 1995 abstract	
		US 2002-0170353, November 21, 2002, US 10/191423, Usui et al.	
		US 2003-0043216, March 6, 2003, US 10/243730, Usui et al.	
		US 2003-0117450, June 26, 2003, Usui et al.	
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		US 2003-0140694, July 31, 2003, US 09/572849, Usui et al.	
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		US 5,179,389		01/12/93	Arai
		US 5,233,369		08/03/93	Carlotta
		US 5,506,611		04/09/96	Ujita et al.
		US 5,610,635		03/11/97	Murray
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		US 5,694,156		12/02/97	Hoisington et al.
		US 5,835,817		11/10/98	Bullock et al.
		US 5,841,454		11/24/98	Hall
		US 5,900,888		05/04/99	Kurosawa

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		Country Code ³	Number ⁴	Kind Code ⁵ (if known)			
		JP	5-318757 ✓		12/03/93		
		JP	8-34123		02/06/96		
		JP	62-184856		08/13/87		
		EP	0803365		10/29/97		
		EP	0956964 ✓		11/17/99		
		JP	11-020162		01/28/99		
		JP	56-061421 ✓		10/17/84		
		JP	59-052422 ✓		04/06/84		
		JP	1-067530 ✓		05/01/89		
		JP	5-025325 /		04/02/93		
		JP	2000-190523 /		07/11/00		
		JP	56-39414		04/15/81		

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		US 2002-0135623, September 26, 2002, Tsukada et al.	
		US 2002-0015068, February 7, 2002, Tsukada et al.	

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		US 6,012,794		01/11/00	Nakano et al.
		US 6,024,429		02/15/00	Coffy et al.
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		JP	56-53078		05/12/81		
		JP	58-201027		11/22/83		
		JP	63-295266		12/01/88		
		JP	10-038662		02/13/98		
		JP	10-151753		06/09/98		
		JP	11-048490		02/23/99		
		JP	3-038037		02/15/91		
		JP	3-211907		09/17/91		
		JP	3-218847		09/26/91		
		JP	6-155762		06/03/94		
		JP	9-020013		01/21/97		
		JP	9-029991		02/04/97		
		JP	9-039263		02/10/97		
		JP	9-220216		08/26/97		
		JP	9-267488		10/14/97		

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